

09-28-05

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PTO/SB/21 (09-04)

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|   |   |                        |                      |
|---|---|------------------------|----------------------|
| <b>TRANSMITTAL FORM</b><br>(to be used for all correspondence after initial filing) |   | Application Number     | 10/796,546           |
|   |   | Filing Date            | March 9, 2004        |
|   |   | First Named Inventor   | Thomas W. Neugebauer |
|   |   | Art Unit               | 3672                 |
|   |   | Examiner Name          | William P. Neuder    |
| Total Number of Pages in This Submission  | 4 | Attorney Docket Number | 716909.30            |

## ENCLOSURES (check all that apply)

|  |   |   |
|--|---|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form                     | <input type="checkbox"/> Drawing(s)   | <input type="checkbox"/> After Allowance Communication TC                                       |
| <input type="checkbox"/> Fee Attached  | <input type="checkbox"/> Licensing-related Papers                                       | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences             |
| <input type="checkbox"/> Amendment / Reply                                   | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)         |
| <input type="checkbox"/> After Final   | <input type="checkbox"/> Petition to Convert to a Provisional Application               | <input type="checkbox"/> Proprietary Information  |
| <input type="checkbox"/> Affidavits/declaration(s)                           | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input type="checkbox"/> Status Letter  |
| <input type="checkbox"/> Extension of Time Request                           | <input type="checkbox"/> Terminal Disclaimer  | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below); return postcard |
| <input type="checkbox"/> Express Abandonment Request                         | <input type="checkbox"/> Request for Refund   |   |
| <input checked="" type="checkbox"/> Information Disclosure Statement         | <input type="checkbox"/> CD, Number of CD(s) _____                                      |   |
| <input type="checkbox"/> Certified Copy of Priority Document(s)              | <input type="checkbox"/> Landscape Table on CD  |   |
| <input type="checkbox"/> Response to Missing Parts/ Incomplete Application   | Remarks:  |   |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 |   |   |

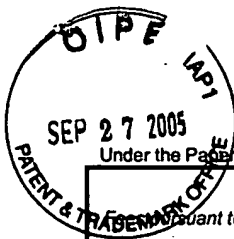
## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

|              |                                     |          |        |
|--------------|-------------------------------------|----------|--------|
| Firm Name    | Blackwell Sanders Peper Martin, LLP |          |        |
| Signature    |                                     |          |        |
| Printed Name | Lawrence E. Evans                   |          |        |
| Date         | 9/27/05                             | Reg. No. | 29,531 |

## CERTIFICATE OF TRANSMISSION/MAILING

|   |              |      |         |
|---|--------------|------|---------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as Express Mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.<br>Express Mail Label No.: EV554056664US |              |      |         |
| Signature   |              |      |         |
| Typed or printed name   | Toni Fragale | Date | 9-27-05 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



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Effective on 12/08/2004.  
Pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**  
**For FY 2005****Complete if Known**

|   |                      |                      |
|---|----------------------|----------------------|
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 | Application Number   | 10/796,546           |
| TOTAL AMOUNT OF PAYMENT   | Filing Date          | March 9, 2004        |
| (\$ ) 180.00  | First Named Inventor | Thomas W. Neugebauer |
|   | Examiner Name        | William P. Neuder    |
|   | Art Unit             | 3672                 |
|   | Attorney Docket No.  | 716909.30            |

**METHOD OF PAYMENT (check all that apply)**

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: **11-0160** Deposit Account Name: **Blackwell Sanders Peper Martin**  
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) ☒ Credit any overpayments  
under 37 CFR 1.16 and 1.17

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**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

| Application Type | FILING FEES |                       | SEARCH FEES |                       | EXAMINATION FEES |                       | Fees Paid (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
|                  | Fee (\$)    | Small Entity Fee (\$) | Fee (\$)    | Small Entity Fee (\$) | Fee (\$)         | Small Entity Fee (\$) |                |
| Utility          | 300         | 150                   | 500         | 250                   | 200              | 100                   |                |
| Design           | 200         | 100                   | 100         | 50                    | 130              | 65                    |                |
| Plant            | 200         | 100                   | 300         | 150                   | 160              | 80                    |                |
| Reissue          | 300         | 150                   | 500         | 250                   | 600              | 300                   |                |
| Provisional      | 200         | 100                   | 0           | 0                     | 0                | 0                     |                |

**2. EXCESS CLAIM FEES**

| Fee Description   | Fee (\$) | Small Entity Fee (\$) |
|---|----------|-----------------------|
| Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent            | 50       | 25                    |
| Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent | 200      | 100                   |
| Multiple dependent claims   | 360      | 180                   |

**Total Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**      **Multiple Dependent Claims**  
- 20 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_      **Fee (\$)**      **Fee Paid (\$)**

HP = highest number of total claims paid for, if greater than 20

**Indep. Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**  
- 3 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

HP = highest number of independent claims paid for, if greater than 3

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

|              |              |  |          |               |
|--------------|--------------|--|----------|---------------|
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | Fee (\$) | Fee Paid (\$) |
| - 100 =      | / 50 =       | (round up to a whole number) x                   |          |               |

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

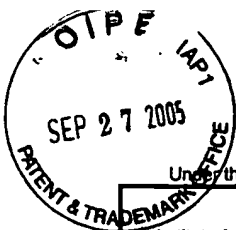
Other: **Filing of Information Disclosure Statement****Fee Paid (\$)****\$180.00****SUBMITTED BY**

|                   |                          |  |                               |
|-------------------|--------------------------|--|-------------------------------|
| Signature         |                          | Registration No.<br>(Attorney/Agent) <b>29,531</b> | Telephone <b>314-345-6000</b> |
| Name (Print/Type) | <b>Lawrence E. Evans</b> | Date   | <b>9/27/05</b>                |

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |   | <b>Complete if Known</b> |                      |                        |           |
|   |   | Application Number       | 10796,546            |                        |           |
|   |   | Filing Date              | March 9, 2004        |                        |           |
|   |   | First Named Inventor     | Thomas W. Neugebauer |                        |           |
|   |   | Art Unit                 | 3672                 |                        |           |
|   |   | Examiner Name            | William P. Neuder    |                        |           |
| Sheet   | 1 | of                       | 2                    | Attorney Docket Number | 716909.30 |

| U.S. PATENT DOCUMENTS |                          |  |           |                                |  |   |
|-----------------------|--------------------------|--|-----------|--------------------------------|--|---|
| Examiner<br>Initials' | Cite<br>No. <sup>1</sup> | Document Number                          |           | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                       |                          | Number-Kind Code <sup>2</sup> (if known) |           |                                |  |   |
|                       | A1                       | US-                                      | 2,358,228 |                                | 09-12-1944   | Hoof  |
|                       | A2                       | US-                                      | 2,445,505 |                                | 07-20-1948   | Ashton  |
|                       | A3                       | US-                                      | 2,485,504 |                                | 10-18-1949   | Morgan  |
|                       | A4                       | US-                                      | 2,506,111 |                                | 05-02-1950   | Saint   |
|                       | A5                       | US-                                      | 2,647,810 |                                | 08-04-1953   | McCuiston   |
|                       | A6                       | US-                                      | 3,654,962 |                                | 04-11-1972   | Fredd, et al.   |
|                       | A7                       | US-                                      | 3,917,220 |                                | 11-04-1975   | Gilmore   |
|                       | A8                       | US-                                      | 4,253,481 |                                | 03-03-1981   | Sarlls, Jr.   |
|                       | A9                       | US-                                      | 4,266,614 |                                | 05-12-1981   | Fredd   |
|                       | A1                       | US-                                      | 4,793,590 |                                | 12-27-1988   | Watson  |
|                       | A1                       | US-                                      | 4,856,557 |                                | 08-15-1989   | Watson  |
|                       | A1                       | US-                                      | 4,903,765 |                                | 02-27-1990   | Zunkel  |
|                       | A1                       | US-                                      | 5,058,674 |                                | 10-22-1991   | Schultz, et al.   |
|                       | A1                       | US-                                      | 5,103,906 |                                | 04-14-1992   | Schultz, et al.   |
|                       | A1                       | US-                                      | 5,337,822 |                                | 08-16-1994   | Massie, et al.  |
|                       | A1                       | US-                                      | 5,410,919 |                                | 05-02-1995   | Carpenter, et al.   |
|                       | A1                       | US-                                      | 5,464,036 |                                | 11-07-1995   | Tomkins, et al.   |
|                       | A1                       | US-                                      | 5,662,166 |                                | 09-02-1997   | Shammal   |
|                       | A1                       | US-                                      | 5,771,931 |                                | 06-30-1998   | Watson  |
|                       | A2                       | US-                                      | 5,901,749 |                                | 05-11-1999   | Watson  |
|                       | A2                       | US-                                      | 6,029,744 |                                | 02-29-2000   | Baird   |
|                       |                          | US-                                      | 6,186,477 |                                | 02-13-2001   | McCombs, et al.   |

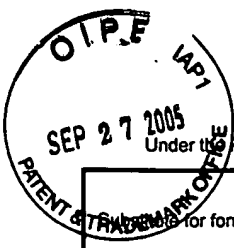
| FOREIGN PATENT DOCUMENTS          |                          |   |                                |  |   |                |
|-----------------------------------|--------------------------|---|--------------------------------|--|---|----------------|
| Examiner<br>Initials <sup>1</sup> | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>6</sup> |
|                                   |                          | Country Code <sup>3</sup> –Number <sup>4</sup> –Kind Code <sup>5</sup> (if known) |                                |  |   |                |
|                                   |                          |   |                                |  |   |                |
|                                   |                          |   |                                |  |   |                |
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|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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|   |   |                          |                      |                        |           |
|---|---|--------------------------|----------------------|------------------------|-----------|
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|   |   | Filing Date              | March 9, 2004        |                        |           |
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|   |   | Examiner Name            | William P. Neuder    |                        |           |
| Sheet   | 2 | of                       | 2                    | Attorney Docket Number | 716909.30 |

| NON PATENT LITERATURE DOCUMENTS |                       |   |                |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials*              | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|                                 | B1                    | PARKER HANNIFIN CORPORATION; Parker O-Ring Handbook; ORD5700A USA; 7-99; Lexington, KY  |                |
|                                 | B2                    | APPLE RUBBER PRODUCTS, INC.; Seal Design Catalog, Lancaster, NY   |                |
|                                 | B3                    | GILMORE VALVE CO., Drawing No. 25082, Dirty Fluid Valve 2-Way, NC; 08/24/1992   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |

The Non Patent Literature Documents cited above were all cited in the parent application, now US Issued Patent 6,702,024. Applicant regrets that they are no longer able to locate the cited documents in their records and respectfully requests that they can be viewed from the file history of the parent application, U.S. Patent 6,702,024.

|                    |  |                 |  |
|--------------------|--|-----------------|--|
| Examiner Signature |  | Date Considered |  |
|--------------------|--|-----------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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